

Date: Tue, 28 Sep 93 09:35:17 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1149
To: Info-Hams

Info-Hams Digest Tue, 28 Sep 93 Volume 93 : Issue 1149

Today's Topics:

 6-meter EME test from Peru
 Address Change Form
 ARLB099 IARU Executive committee
 HDN Releases

How to find the answers to frequently-asked questions about Ham Radio
 Need good/cheap place to buy ferrite chokes (2 msgs)
 OHIO/PENN DX BULLETIN #129
 which freqs will FCC sell?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 28 Sep 93 11:45:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: 6-meter EME test from Peru
To: info-hams@ucsd.edu

Al, N1AL, asked about K6MYC's antenna: It's 4 of (his) M2 7-e1
jobs, with Az/e1. W6JKV was using 16 (!) of them.

The OA4LS station was running 1 megawatt peak power (200 PRF, 300
microseconds pulse length) for an average power of about 60 kW.
Yes, 60 kW. That kind of power into an antenna with 43 dBd gain
should have been VERY loud (even if you mistakenly left your
noise blanker on). I suspect that they were fairly weak because
perhaps the Moon wasn't exactly within their 1 degree beam. Dunno.
More tests are planned, probably w/in the ham bands and using CW.

PLEASE - if you listened for OA4LS, let me or Jorge know. Even if you heard nothing, that's information that he needs. Times, antennas, etc. Thanks -

73 - W9IP

```
*****
Michael R. Owen, Ph.D.                                a.k.a.: W9IP
Department of Geology                                Northern Lights Software
St. Lawrence University                               Star Route, Box 60
Canton, NY 13617                                     Canton, NY 13617
(315) 379-5975 - voice -                             (315) 379-0161 (6-9pm)
e-mail: MOWE@SLUMUS FAX -                             (315) 379-5804
*****
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Date: 28 Sep 93 12:44:45 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Address Change Form
To: info-hams@ucsd.edu

In article <CEBE34EB60C3234F@gmr.com> A15SEA%ANDV02@gmr.COM writes:

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>
>      Hi folks, I just moved a month ago and need to change my address
>      for the callbook etc:, How do I go about getting this
>      done. Where do I write or call or get a form ???
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Call Gettysburg, or the ARRL, and get a form 610. Fill it out with your change of address and mail it to the FCC. You're required to do that anyway, and the Callbook folks get their information by purchasing copies of the FCC database.

Gary

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--
Gary Coffman KE4ZV      | "If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way         | enough for Uncle Sam." | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | -Ray Stevens      |
```

Date: 28 Sep 93 10:36:37 GMT
From: ogicse!uwm.edu!linac!uchinews!spssig.spss.com!feenix.metronet.com!
marchbg@network.ucsd.edu

Subject: ARLB099 IARU Executive committee
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB099
ARLB099 IARU Executive committee

ZCZC AG41
QST de W1AW
ARRL Bulletin 99 ARLB099
>From ARRL Headquarters
Newington CT September 24, 1993
To all radio amateurs

SB QST ARL ARLB099
ARLB099 IARU Executive committee

Five new IARU Region 1 Executive Committee members were elected
September 24 at the IARU Region 1 Conference, held the week of
September 20, in Brussels, Belgium.

ARRL Executive Vice President David Sumner, K1ZZ, in attendance,
reports that the five new members are: A. Razak Al-Shahwarzi, A41JT;
Vincent Magrou, F5JFT; Jari Jussila, OH2BU; Hans van de Groenendaal,
ZS6AKV; and Mustafa Diop, 6W1KI.

Four Region 1 Executive Committee members remain for another term.
They are: L.v.d. 'Lou' Nadort, PA0LOU, chairman; Wojciech Nietyksza,
SP5FM, vice-chairman; John Allaway, G3FKM, secretary; and Rossella
Strom, I1RYS, treasurer.

The Committee members will serve for the 1993-1996 term.
NNNN

--
/ Marc Grant N5MEI / marcbg@metronet.com /
/ POB 850472 / marcbg@esy.com /
/ Richardson, TX 75085 / 214-231-3998 (voice) /
/ / 214-231-0025 (fax) /

Date: Mon, 27 Sep 1993 01:30:05
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usc!cs.utexas.edu!convex!
news.oc.com!utacfd.uta.edu!rwsys!ocitor!FredGate@network.ucsd.edu
Subject: HDN Releases
To: info-hams@ucsd.edu

The following files were processed Monday 09-27-93 at 1:124/7009:

HAMPACK [HAM: Packet Communications programs]

GP160.ZIP (636953 bytes) Graphic-Packet v1.60 by DH1DAE
dated 16-SEP-1993 PR-Terminal

636953 bytes in 1 file(s)

Total of 636953 bytes in 1 file(s)

Files are available via Anonymous-FTP from ftp.ieee.org

Directories are:

- pub/fidonet/ham/hamnews (Bulletins)
- /hamant (Antennas)
- /hamsat (Sat. prg/Amsat Bulletins)
- /hampack (Packet)
- /hamelec (Formulas)
- /hamtrain (Training Material)
- /hamlog (Logging Programs)
- /hamcomm (APLink/JvFax/Rtty/etc)
- /hammods (Equip modification)
- /hamswl (SWBC Skeds/Frequencies)
- /hamscan (Scanner Frequencies)
- /hamutil (Operating aids/utils)
- /hamsrc (Source code to programs)
- /hamdemo (Demos of new ham software)
- /hamnos (TCP/IP and NOS related software)

lee - wa5eha

Ham Distribution Net

* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

Date: 28 Sep 93 09:44:04 GMT

From: amd!amdahl!amdahl!uts.amdahl.com@decwrl.dec.com

Subject: How to find the answers to frequently-asked questions about Ham Radio

To: info-hams@ucsd.edu

Posted-By: auto-faq 2.4

Archive-name: ham-faq-pttr

How to find the Rec.radio.amateur.misc Frequently Asked Questions list

This article will tell you how to find the answers to frequently-asked Questions (FAQ) from rec.radio.amateur.misc. The FAQ articles are posted on the 7th of each month. This article is posted on the 14th, 21st, and 28th of every month as a reminder of where to find the FAQ.

The FAQ articles are intended to summarize some common questions on the rec.radio.amateur.misc newsgroup and Info-Hams mail list as well as to help beginners get started.

Besides the monthly posting, the FAQ is always available via anonymous FTP and from e-mail servers. This article contains instructions for obtaining a copy of the FAQ. It also contains the table of contents from the FAQ so that you know which questions are covered by it.

Please provide a copy of the FAQ to any new or soon-to-be Hams you know.

Regular FAQ postings can help save network bandwidth and maintain a good signal-to-noise ratio in the newsgroup. However, they can't do it alone - you, the reader, have to use them. If you are a new user, please print and review the FAQ articles and look at the instructions in the news.newusers newsgroup before posting any articles. If you are an experienced user, please help by refraining from answering frequently-asked questions on the newsgroup if they are already answered by the FAQ articles. Instead, send e-mail to the user who asked the question. (It will be helpful if you include the part of the FAQ that answers their question, but not the whole thing.)

--How to obtain a current copy of the FAQ-----

There are 3 ways to obtain a copy of the FAQ.

- 1) NetNews
- 2) Anonymous FTP
- 3) An Electronic Mail Server

Option #1: NetNews

If you are familiar enough with NetNews to look through previous articles on your system, Option #1 above may be the easiest for you. The FAQ is posted so that it should not expire from your site's news spool until the next one is posted. Unfortunately, some news administrators do not honor the expiration dates meant to preserve the FAQ.

Look in rec.radio.amateur.misc, rec.radio.info, rec.answers, or news.answers. If the FAQ has expired at your site, try Option #2 (and ask your news administrator to honor expiration dates for articles cross-posted to news.answers if he/she can.)

Option #2: Anonymous FTP

Anonymous FTP uses the File Transfer Protocol. It is only available to sites which are directly connected to the Internet. If you don't know how to use FTP and can't find a friend to help you, continue to Option #3. If your site is not connected to the Internet, you should also continue to Option #3.

The following sites have copies of the FAQ:

site name & address	path to FAQ articles
ftp.amdahl.com	pub/radio/amateur/faq.[1-3].Z located in western USA, FAQ updated daily
ftp.cs.buffalo.edu	pub/ham-radio/faq_ham_[1-3] located in eastern USA, FAQ updated monthly
rtfm.mit.edu	pub/usenet/news.answers/radio/ham-radio/faq/part* located in eastern USA, FAQ updated monthly contains news.answers archive - most UseNet FAQs are here
grivel.une.edu.au	pub/ham-radio/buffalo/ham-radio/faq_ham_[1-3] located in Australia, FAQ updated monthly (Ham files mirrored from buffalo/funet/ucsd daily)
nic.funet.fi	pub/ham/info/faq_ham_[1-3] located in Finland, FAQ updated monthly

Remember, when connecting to the remote system, use the login name of "anonymous" and, as a courtesy to the site administrators, your e-mail address for the password.

Option #3: Electronic Mail Server

If you can't use Options 1 or 2, your only remaining option is electronic mail. You can retrieve a copy of the FAQ by sending a message to
mail-server@rtfm.mit.edu

The body of your mail will contain a command for the mail server software. To get all of the FAQ (consisting of 70K of e-mail in 3 parts), place the following in the first line of your message:

send usenet/news.answers/radio/ham-radio/faq/*

Leave out the subject of your message because the mail server will ignore it.

--- begin sample mail message ---

To: mail-server@rtfm.mit.edu

From: me@here.org

Date: Mon Aug 14 22:27:33 PDT 1995

send usenet/news.answers/radio/ham-radio/faq/*

--- end sample mail message ---

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Dates indicate last modification.

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--Submitting changes for the FAQ-----

If you have comments or updates for the FAQ, send e-mail to
hamradio-faq@amdahl.com

This will send mail to all the people on the FAQ editorial review group.

Date: 28 Sep 93 11:55:45 GMT

From: psinntp!arrl.org@uunet.uu.net

Subject: Need good/cheap place to buy ferrite chokes

To: info-hams@ucsd.edu

In rec.radio.amateur.misc, jlee@panix.com (John Lee) writes:

>Does anyone knows a good(cheap :)) mail order place to get ferrite chokes?
>Radio Shack has the round cylindrical type for \$5 and rectangler snap
>together type for \$8 (for 2).

The RS round cylindrical type does work well, but you might need a LOT of them. In general, you need about the same number as you would need to make a bead balun for an antenna. The ARRL Antenna Book demonstrates that 50 (!) beads has an impedance ranging from about 750 ohms to 1500 ohms over the HF range. At \$5 a pop, that is quite a bit of money. Unfortunately, many people are buying one or two, trying them, and deciding that a common-mode choke will not work. I have heard mixed reports about the rectangular one; some say it worked; other say it didn't. If you try one, make sure to use more than just a few turns. I suggest about 10 to 20 turns of wire, speaker wire or coaxial cable (you might need more than one).

The best use of ferrite to suppress common-mode noise or interference is to wind about 10 to 20 turns on a ferrite toroid. #43 material is the best all around, although for the lower end of the HF range, #73, 75 or "J" might work best. #63 is best to supress VHF signals. If you go to your junk box and find a toroid, it may not be the right material. Using the wrong (or unknown) material is the usual reason when a common-mode choke doesn't work.

The ARRL book, Radio Frequency Interference -- How to Find It and Fix It discussed ferrite and other noise/interference filters in depth. A good start of information about interference is found in the ARRL Technical Information Service EMI/RFI Package (also available as EMI-GEN and EMI-SOURCE from our mail server (info@arrl.org)).

For your application, I recommend using an FT-140-43 core. Try also TCE Labs model SP-1 speaker-lead interference filter (See list at end of this post.)

To answer the original question, here is the list of ferrite suppliers (part of EMI-SOURCE and the EMI/RFI Package).

Date: 28 Sep 93 13:08:11 GMT
From: brunix!pstc3!md@uunet.uu.net
Subject: Need good/cheap place to buy ferrite chokes
To: info-hams@ucsd.edu

In message <2311@arrl.org> ehare@arrl.org (Ed Hare - KA1CV) writes:

> ...common mode choke...

AAAAAAACCCCCCKKKKKKKKKKKKKKKKK!

MD

--

-- Michael P. Deignan
-- Population Studies & Training Center
-- Brown University, Box 1916, Providence, RI 02912
-- (401) 863-2668

Date: Sun, 26 Sep 1993 16:59:09 MDT
From: dog.ee.lbl.gov!agate!library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!
unixg.ubc.ca!nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.ucsd.edu
Subject: OHIO/PENN DX BULLETIN #129
To: info-hams@ucsd.edu

SB DX @ ALLBBS \$OPDX.129
Ohio/Penn DX Bulletin No. 129

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 129
BID: \$OPDX.129
September 27, 1993
Editor Tedd Mirgliotta, KB8NW
Provided by BARF-80 BBS Cleveland, Ohio
Online at 216-237-8208 14400/9600/2400/1200/300 8/N/1

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX
Association, Ohio/Penn PacketCluster Network, AD1C, WA2TMP/7, WA3EUL,
KU4J, K4CEF & Southeastern Cluster Group, KT5X and AH6IO for the
following DX information.

3V8W, TUNISIA. Tim, KU4J, received a phone call September 23rd from
Karl, DF2WV, and Karl has supplied the following information. Karl
states he "WAS" the operator at 3V8W and he operated from July 23rd
until August 15th. He made about 6500 QSOs in which only two were SSB
QSOs to a couple of friends in Germany. Karl works for the Deutsche
Aerospace, and they were installing some equipment in Tunisia. The
operation took place from a military base and they would not allow SSB
operations. Karl's license is good for a year and he and Baldur (and
possibly others) are planning to return in November. He states that he

has three pieces of documentation and has to resolve a few issues when he returns in November, so he has "NOT" submitted his documentation package as of yet to the League. Karl also mentions he was not in Morocco as reported in last week's bulletin and has not been there since 1970 as CN8/DK2WV. (ed. ?????)

9N, NEPAL. Jerry, UT4UZ, of Kiev, plans to accompany a Ukrainian mountaineering trip to Nepal. He will be leaving at the end of September and states he has the proper 9N1 papers already. Look for him during the month October running only about 200 watts.

BV9P, PRATAS ISLAND. Still no official word on when the BV0ARL/BV9P DXpedition will start. Rumors still indicate October 5th.

P4, ARUBA. Jorma, OH2KI, will be active in the CQ WW CW Contest as P40I. He will operating Single/Op on all bands. QSL via OH2KI.

ST, SUDAN. A station signing ST2/G40JW was reported on 14062 kHz at 1951z, on September 24th. Not much is known about this station other than the station stated to QSL via Box 4016, Khartoum, Sudan.

V7, MARSHALL ISLANDS. Richard, AH6IO, will be active from Kwajalein Atoll from October 24th to November 2nd. He will be operating all bands with the call sign V73IO. QSL direct AH6IO's CBA.

Ken/KH6HH, Pat/NH6UY, Richard/AH6IO, Ken/V73C and Sam/V73A will be active during the CQ WW SSB Contest from Kwajalein Atoll. Call sign for the contest will be V7X. The QSL Manager for V7X will be KH6HH (use CBA).

VP2E, ANGUILLA. Jim, WB6CJE, will be active from here during the CQ WW SSB Contest as VP2ERN. He plans to run Single/Op on all bands.

VP2V, BRITISH VIRGIN ISLANDS. Tim, KU4J, informs OPDX that at least seven members of the North Alabama DX Club are planning to be active from here October 26th to November 2nd. They are also planning to be active in the CQ WW SSB Contest. Their exact call sign for the contest is unknown at this time, but is forthcoming. QSL will be via AB4JI.

XX9, MACAO. (Rumor of the week?) It has been reported that Martti Laine, OH2BH, who is now living in Hong Kong for the next two years, will be making a special trip, once a month, during a weekend to Macao.

YK, SYRIA. (UPDATE) A1, WA2TMP/7, informed OPDX that he is one of the proposed operators that was going to be active during the CQ WW DX Contest. A1 states that the group will not be making a contest trip to Syria because of the short amount of time before the contest season. They need sufficient amount of time to get all the paper work and the equipment set up. Instead, the group has rescheduled their DXpedition to take place in the January/February timeframe for a

regular operation that would last for about a week.

ZB2, GIBRALTAR. Jorma, OH2KI, will be active in the CQ WW SSB Contest as ZB2X. He will operating Single/Op on all bands. QSL via OH2KI.

ZD9, TRISTAN DA CUNHA. Bob, WA3EUL, talked to Roger, G3SXW/MM, on September 24th and Roger expects to be active Tuesday, September 28th. He will be using the call sign ZD9SXW. This operation will be CW only, and he will be active on 160-10 meters. He plans to be there for at least two weeks and possibly three weeks depending on transportation. QSL via G3SXW.

EDITOR'S NOTE. There will not be a bulletin next week (October 4th) do to personal commitments. Please keep sending your DX information.

FAX YOUR DX INFORMATION NOW! Faxing is available Monday/Wednesday/Friday from 0430 to 2330z only. The number is 216-237-8208 and the FAX card is sharing the same phone line as BARF-80 BBS using a data/fax/phone switch.

Excerpts and distribution of The OPDX Bulletin are granted as long as OPDX/BARF80 receive credit. To contribute DX info, call BARF-80 BBS online at 216-237-8208 14400/9600/2400/1200/300 and leave a message with the Sysop or send InterNet Mail to: aq474@cleveland.freenet.edu or send BitNet Mail to: aq474@cleveland.freenet@cunyvms or send PRODIGY Mail to: DFJH48A or send a message via packet to KB8NW @ WA8BXN.OH.USA.NA

/EXIT

Date: Tue, 28 Sep 1993 01:10:20 GMT
From: dog.ee.lbl.gov!agate!iat.holonet.net!bwilkins@network.ucsd.edu
Subject: which freqs will FCC sell?
To: info-hams@ucsd.edu

clifto@indep1.UUCP (Cliff Sharp) writes:
: In article <CDxsIK.3sv@iat.holonet.net> bwilkins@iat.holonet.net (Bob Wilkins
n6fri) writes:
: >they will want more spectrum. The two meg grab of 220-222 is nothing
: >compared to what will happen to the amateur microwave bands.
:
: Or what has _already_ happened! The 1969 Radio Amateur's Handbook lists
: the following allocations "up there":
:
: 420-450

comming soon a 449.000 wind shear radar unknown bandwidth
a 50 watt power limitation to protect military radars

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: 1,215-1,300
    now 1,240-1300  loss of 25 MHz

: 2,300-2,450
    now 2,300-2,310 and 2,390-2,450  loss of 80 MHz

: 3,300-3,500
    no loss

: 5,650-5,925
    no loss

: 10,000-10,500
    no loss

: 21,000-22,000

: All above 40,000
    now moved up to 300,000 or 300 GHz
:
: (all frequencies in MHz)
:
:   So far as I know (I don't have a recent _complete_ chart here), that's a
:   helluva lot more than we have now.  As technology progresses in the areas
:   of better LNAs/LNBs, more perfectly formed dishes, lower-noise semiconductors,
:   etc., look for more and more to go away as commercial interests begin finding
:   the remaining frequencies interesting.
: --
: +-----+
: |  Cliff Sharp  |      clifto@indep1.chi.il.us  OR  clifto@indep1.uucp      |
: |    WA9PDM    |                        Use whichever one works            |
: +-----+

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bob n6fri

--

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Bob Wilkins n6fri          voice 440.250+ 100p1 san francisco bay area
bwilkins@cave.org         packet n6fri @ n6eeg.#nocal.ca.usa.na

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Date: (null)
From: (null)
<lot's of stuff deleted>

```

FERRITE MATERIALS (use to make common-mode chokes)

Amidon, 2216 E Gladyswick St, Dominguez Hills CA 90220, 310-763-5770

Fair-Rite Products Corp, div of Dexter Magnetic Materials, 10 Fortune Drive, Billerica MA 01865, 800-345-4082, Note: Call to locate nearest distributor

Kilo-Tec, POB 10, Oak View CA 93022, 805-646-9645

MFJ, POB 494, Mississippi State MS 39762, 601-323-5869

N6YHY TVI Filters, 928 Yellow Brick Rd, Modesto CA 95351, 209-531-1236

Ocean State Electronics, POB 1458, Westerly RI 02991, 800-523-0667
\$5.00 minimum order, major credit cards accepted for phone orders,
Frank Pellicano, WB1GTK, proprietor

Palomar, POB 462222, Excondido CA 92046, 619-747-3343

Radio Shack catalog #s 273-105 and 273-104

AC-LINE FILTERS

Industrial Communications Engineers , POB 18495, Indianapolis IN 46218-0495, 317-545-5412, Model 472 isolator, Model 400 series

Radio Shack, Catalog: 15-1111 brute-force AC-line filter, 26-1395 surge- protection filter (it contains common-mode and differential mode AC-line filtering.)

TCE Labs, RR9 Box 243D, New Braunfels TX 78133, 800-KILL-TVI, Model KW-1

MISCELLANEOUS

Industrial Communications Eng, POB 18495, Indianapolis IN, 46218-0495, 317-545-5412, Model 461 stereo , Model 440 mobile, Model 488 video

Radio Shack (mobile) 270-051, 270-055, 270-054, 270-012, 272-1085, 270-030

TCE Labs, RR9 Box 243D, New Braunfels TX 78133, 800-KILL-TVI, Model SP-1 speaker leads

Wacom Products, Cavities and duplexers, POB 21145, Waco TX 76702, 817-848-4435

Winegard, 3000 Kirkwood St, Burlington IA 52601-1007, Model FT-7600 variable FM trap, Model VF-3000 VCR, Model VF-4000 VCR

Ed Hare, KA1CV
American Radio Relay League
225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

ehare@arrl.org

"You will never put the puzzle together
if you keep putting all of the pieces
back in the box." Colleen

End of Info-Hams Digest V93 #1149
